INTERNATIONAL SEARCH REPORT

ational Application No PC I/IB2004/050944

A. CLASSI	FICATION OF SUBJECT MATTER		
IPC 7	H05K13/08 H05K13/04		
According to	International Patent Classification (IPC) or to both national classifica	tion and IPC	
	SEARCHED	n symbols)	
Minimum do	ocumentation searched (classification system followed by classification H05K	ii syiiwois <i>i</i>	
Documenta	tion searched other than minimum documentation to the extent that st	uch documents are included in the fields se	arched
Electronic d	lata base consulted during the international search (name of data bas	se and, where practical, search terms used	
	ternal, PAJ, IBM-TDB, WPI Data		
1			
l			
0.000	ENTS CONSIDERED TO BE RELEVANT		
C. DOCUM	Relevant to claim No.		
Calegory	Citation of document, with indication, where appropriate, of the rele		
Α	US 5 880 849 A (VAN DE VEN JOHANN	IES T A)	1,4-6
	9 March 1999 (1999-03-09)	·	
	cited in the application		
	the whole document		
Α	US 2002/101214 A1 (TANIZAKI MASAH	IIRO ET	1,5
	AL) 1 August 2002 (2002-08-01)		
	the whole document		
A	US 5 590 456 A (ARMINGTON RICHARD) S ET	1-6
	AL) 7 January 1997 (1997-01-07)		~
	the whole document		
Α	US 5 311 304 A (MONNO BERND)		1,5
	10 May 1994 (1994-05-10)		
	the whole document	·	
Fu	rther documents are listed in the continuation of box C.	Patent family members are listed	in annex.
° Special o	categories of cited documents:	"T" later document published after the int	emational filing date
'A' docur	nent defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or the	the application but
	idered to be of particular relevance r document but published on or after the international	invention "X" document of particular relevance; the	claimed invention
filing	date nent which may throw doubts on priority claim(s) or	cannot be considered novel or cannot involve an inventive step when the d	ot be considered to occument is taken alone
whic	h is cited to establish the publication date of another ion or other special reason (as specified)	"Y" document of particular relevance; the	claimed invention . Enventive step when the
O docui	ment referring to an oral disclosure, use, exhibition or r means	document is combined with one or ments, such combination being obvious in the art.	ore other such docu-
"P" docur	t family		
	than the priority date claimed e actual completion of the international search	Date of mailing of the international se	
	26 August 2004	14/09/2004	
Name and	d mailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk		
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,		Debre, A	

INTERNATIONAL SEARCH REPORT

ational Application No PCI/IB2004/050944

Patent document dted in search report		Publication date		Patent family member(s)	Publication date
US 5880849	Α	09-03-1999	DE DE EP WO JP	69605103 D1 69605103 T2 0809926 A1 9722238 A1 11502311 T	16-12-1999 25-05-2000 03-12-1997 19-06-1997 23-02-1999
US 2002101214	A1	01-08-2002	JP	2002217598 A	02-08-2002
US 5590456	A	07-01-1997	US	5680698 A	28-10-1997
US 5311304	Α	10-05-1994	DE	4119401 A1	17-12-1992